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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	10/804,085
Filing Date	March 19, 2004
First Named Inventor	Akira Fukunaga
Group Art Unit	1725
Examiner Name	L. R. Edmondson
Attorney Docket Number	FUKUNAGA=3A

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code* ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
ULB	BJ	US-5,993,548 A	11-30-1999	Kazumi Sugai	
	BK	US-5,980,636 A	11-09-1999	Katsuya Okumura	
	BL	US-3,814,696	06-04-1974	Joseph A. Verdone et al.	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Number Country Code* Number* Kind Code* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
ULB	BM	EP 1 107 298 A1	06-13-2001	Ebara Corporation		
	BN	EP 0 740 324 A2	10-30-1996	Canon Kabushiki Kaisha		
	BO	EP 0 449 309 A2	10-02-1991	Vacuum Metallurgical Co. Ltd.		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²

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